AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method ~~for the production~~ of producing a ceramic substrate comprised of ~~including the following steps:~~ [[-]] ~~provision of~~ a ~~basic body (1)~~ base that comprises ~~comprising~~ a stack ~~(1a)~~ of layers ~~(2, 3) stacked on top of one another~~, each ~~of which contains~~ layer in the stack comprising a non-sintered ceramic material and a binder[[,]] ~~wherein electrically conductive ducts (4) are provided in each of the layers (2, 3)~~, the method comprising:

[[-]] debinding ~~of~~ the layers ~~(2, 3)~~ in a temperature interval of T_{E1} - T_{E3}, where ~~wherein~~ T_{E1} is ~~the~~ a minimum debinding temperature ~~of debinding~~ and $T_{E3} > T_{E1}$[[.]]; and

[[- dense]] sintering ~~of~~ the layers ~~(2, 3)~~ at a temperature ~~of~~ T_S, where $T_S \geq T_{E3}$[[,]];

wherein ~~the process steps b) and c)~~ debinding and sintering are performed in ~~one and the~~ a same furnace[[,]]; and

wherein ~~the~~ a temperature T of the base does ~~basic body (1), throughout the entire period from the beginning of process step b) to the end of process step c), is maintained so as~~ not ~~to~~ fall below ~~the minimum temperature~~ T_{E1} ~~of the debinding~~ during debinding and sintering.

2. (Currently Amended) The method ~~according to~~ of claim 1, further comprising:

forming the stack of layers;

wherein forming comprises forming ~~in which, prior to process step a),~~ openings ~~are formed~~ in the layers ~~(2, 3) stacked on top of one another, each being filled~~ and adding a ~~with a~~ metalliferous paste to at least some of the openings.

3. (Currently Amended) The method ~~according to~~ of claim 2, wherein ~~a~~ the metalliferous paste ~~is used that contains~~ comprises silver or silver-palladium.

4. (Currently Amended) The method of claim 1 ~~according to one of claims 1 to 3~~, wherein at least two of the layers ~~(2, 3) stacked on top of one another consist of~~ comprise different ceramic materials.

5. (Currently Amended) The method of claim 2 ~~according to one of claims 2 to 4~~, wherein the stack of layers comprises ~~in which~~ a first layer comprised of a first ceramic material and a second layer ~~(2, 3)~~ comprised of a second ceramic material, the second layer being above the ~~which is disposed on top of said~~ first layer~~;, are provided,~~

wherein the first ceramic material begins to sinter at a temperature T_{S1}, ~~and~~ the second ceramic material begins to sinter at a temperature T_{S3}, ~~wherein~~ and the metalliferous paste begins to sinter at a temperature T_{S2}[[,]]; and

wherein ~~the following applies:~~ $T_{S1} < T_{S2} < T_{S3}$.

6. (Currently Amended) The method ~~according to~~ of claim 5, wherein, following sintering, the first ceramic material ~~is selected in such a way that in the sintered state it~~ has a relative permittivity ε_1, where ~~to which applies:~~ $7 \leq \varepsilon_1 \leq 8.5$[[,]]; and

wherein, following sintering, the second ceramic material ~~is selected in such a way that in the sintered state it~~ has a relative permittivity ε_2, where ~~to which applies:~~ $18 \leq \varepsilon_1 \leq 22$.

7. (Currently Amended) The method ~~according to one~~ of ~~claims~~ claim 2 ~~to 6~~, ~~in which~~ wherein forming comprises providing structured metallization layers between layers in the stack comprised of sintered ceramic material, the structured metallization layers comprising ~~which are made of~~ the metalliferous paste~~, are provided between the layers (2, 3) disposed on top of one another~~.

8. (Currently Amended) The method ~~according to~~ of claim 5 ~~6~~, further comprising forming ~~in which at least one of the layers of the first ceramic material forms~~ a stratified compound using the first layer and the second layer, the ceramic substrate comprising plural ~~with at least one of the layers of the second ceramic material, wherein several of such~~ stratified compounds; and ~~are formed,~~

wherein ~~each of the~~ forming structured metallization layers ~~is formed~~ between the stratified compounds.

9. (Currently Amended) The method of claim 1 ~~according to one of claims 1 to 8~~, wherein debinding and sintering ~~in which process steps b) and c)~~ are performed in an inert atmosphere.

10. (Currently Amended) The method of claim 1 ~~according to one of claims 1 to 8~~, wherein debinding an sintering ~~in which process steps b) and c)~~ are performed in an air atmosphere.

11. (Currently Amended) The method of claim 1, wherein, during debinding, ~~according to one of claims 1 to 8~~, ~~in which the~~ an atmosphere ~~in the furnace~~ in which debinding takes place changes ~~is converted~~ from an inert atmosphere to an air atmosphere during ~~process step b)~~.

12. (Currently Amended) The method ~~according to~~ of claim 11, wherein ~~in which, in process step b), a first part of the~~ debinding ~~is performed in~~ begins at a temperature between ~~interval of~~ T_{E1} - T_{E2} ~~while~~ and the temperature increases at a substantially constant rate ~~is increased monotonically~~, ~~wherein~~ where $T_{E1} < T_{E2} < T_{E3}$[[,]]; whereafter ~~in which, subsequently, the temperature~~ T ~~is reduced~~ decreases to a value of $T_{E1'}$, where $T_{E1} \leq T_{E1'} < T_{E2}$[[,]]; whereafter ~~in which, subsequently, the temperature~~ T ~~is monotonically increased~~ increases at a substantially constant rate to ~~the~~ a value T_{E3}.

13. (Currently Amended) The method ~~according to~~ of claim 12, wherein a ~~in which the~~ first part of ~~the~~ debinding is performed in an ~~inert~~ atmosphere that is inert[[,]]; and

wherein, during debinding, the atmosphere in the furnace changes ~~in which the atmosphere in the furnace is converted~~ to an air atmosphere ~~concurrently with the~~ in accordance with a reduction in temperature to a value of $T_{E1} \leq T_{E1'} < T_{E2}$.